Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/07/2017 09:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124320	-1	1.47	124219	1.48
Blue	F	SSC	125000	124024	-1	2.75	124417	2.51
Blue	E	FITC	21625	20919	-4	2.48	931	10.08
Blue	D	PE	26832	26378	-2	1.93	947	9.50
Blue	B	PerCP-Cy5-5	48027	46651	-3	3.28	1334	16.28
Blue	A	PE-Cy7	40971	40386	-2	4.95	621	35.26
Red	C	APC	49746	48972	-2	2.80	2828	9.41
Red	A	APC-Cy7	53615	52438	-3	2.90	1085	11.09
Violet	B	V450	14488	13952	-4	5.48	668	9.83
Violet	A	V500	55123	53819	-3	5.35	2378	7.46

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19693	4.48	607	9	N/A	N/A	Pass
Blue	F	SSC	61833	1.46	536	2	N/A	N/A	Pass
Blue	E	FITC	105	37.07	536	0	0.0213	93	Pass
Blue	D	PE	208	28.15	532	1	0.1713	241	Pass
Blue	B	PerCP-Cy5-5	211	42.62	627	-2	0.0110	78	Pass
Blue	A	PE-Cy7	68	114.05	678	-3	0.0120	8	Pass
Red	C	APC	331	27.10	588	-6	0.0205	44	Pass
Red	A	APC-Cy7	120	39.54	572	-8	0.0058	1591	Pass
Violet	B	V450	81	41.90	468	-3	0.0439	1718	Pass
Violet	A	V500	173	21.94	493	-3	0.0143	123	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.77	-31.23	0.89
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	17.34	13.27 - 19.91	N/A	N/A	31.30	31.80	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 14461

Fluidics

FACSFlow Pressure: 4.00 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments